

A B S T R A C T

A DEVICE FOR APPLYING CONTROLLED AND ADJUSTABLE
COMPRESSION TO A LIMB

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A tubular sleeve (40) comprises an anterior portion (16) of inextensible material that comes to bear against the tibial ridge, and a posterior portion (18) of extensible material covering the region to be compressed.

10 These two portions are connected together along two connection generator lines (20). Inflatable balloons (22) are disposed on the inside face of the anterior portion, being interposed between the inextensible material and the tibial crest. Means (24, 26, 28) are provided for inflating each of the balloons differently to a respective given pressure so as to apply deformation to the anterior portion of the sleeve that is suitable for inducing a traction force that is exerted on the extensible posterior portion; this force is distributed 15 regularly along the generator lines and acts perpendicularly thereto, and consequently leads to compression action on the compressible region of the limb.

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35 Translation of the title and the abstract as published by the PCT Authorities, possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.